



AURATON Carina

User manual ver. 20200908

The document presents collected information on safety, assembly and use of AURATON Carina.

Weekly, multifunctional timer switch

AURATON Carina is a weekly, multifunctional timer switch designed for controlling a pump in domestic hot water (DHW) circulation system. Auraton Carina may be also used to activate any device with a voltage of 230 V AC and maximum current of 16 A.

- 8 programs for switching ON/OFF devices in one day and max. 56 repeatable programs for switching ON/OFF devices in one week with the set time accuracy of 1 second.
- Easy programming with buttons identified by corresponding symbols displayed on LCD screen
- Function of random switching ON/OFF.
- Function of manual switching ON/OFF.
- Red LED indicator for the output status. The LED is activated when output signal is ON (active).
- Green LED indicator for indicating correct power supply of the timer switch (230 V AC).
- The function of maintaining the state of the display and saved programs after power supply failure or when the time switch is unplugged from the outlet (approx. one week).

Display



1. 12 h clock mode
2. Weekdays:
 - MO** - Monday,
 - TU** - Tuesday,
 - WE** - Wednesday,
 - TH** - Thursday
 - FR** - Friday,
 - SA** - Saturday,
 - SU** - Sunday
3. Clock
4. Random mode
5. Daylight Saving Time
6. Output status **OFF**
7. Automatic mode
8. Output status **ON**
9. Program number:
 - ON** - active
 - OFF** - inactive

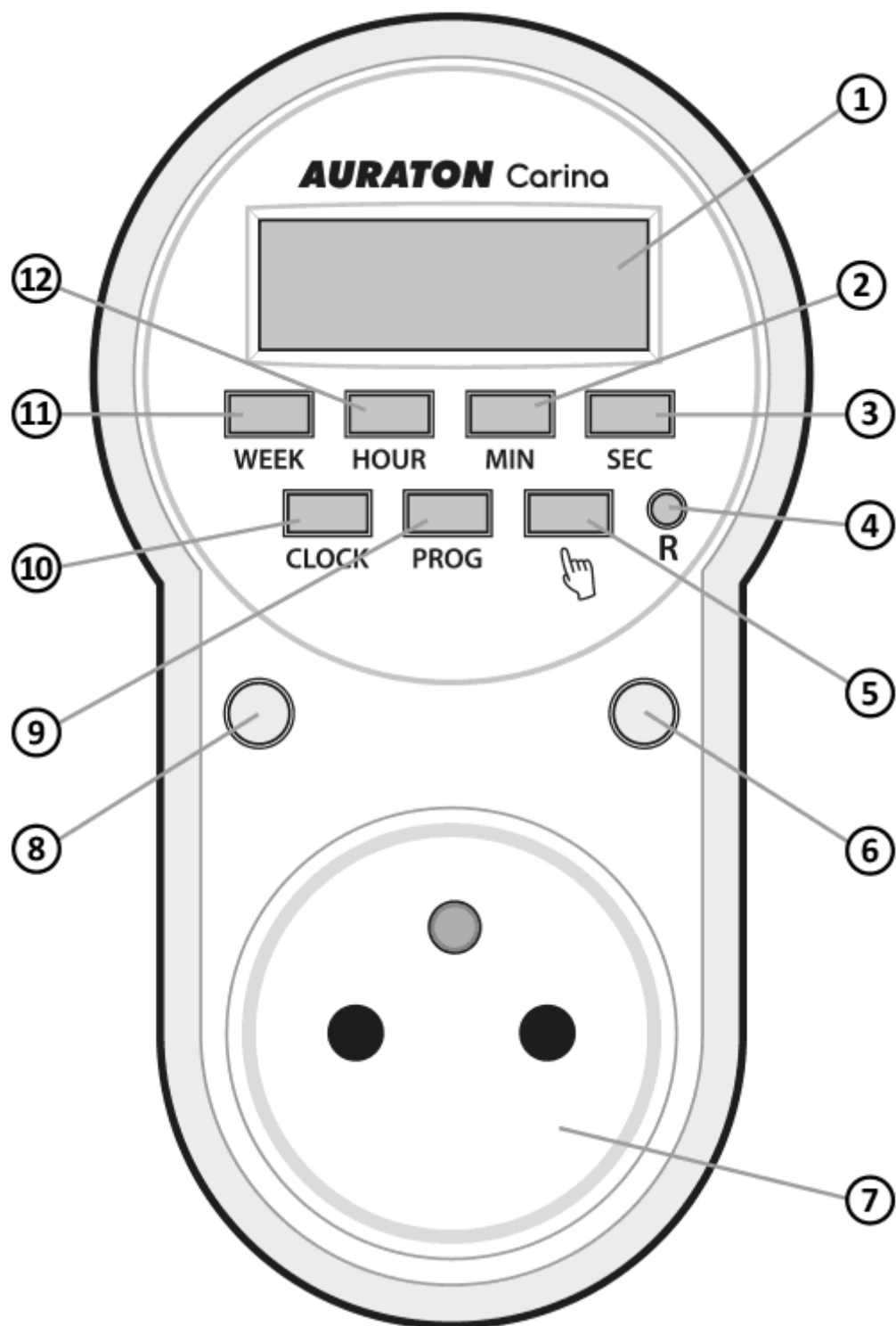
Setting the clock

In order to set the clock:

1. Press and hold CLOCK button.
2. Then use the following buttons:
 - WEEK** - to set a weekday,
 - HOURL** - to set the hour,
 - MIN** - to set minutes,
 - SEC** - to set seconds.

Default setting of the clock operation is to display time in 24-hour mode. To switch the clock into 12-hour mode (AM, PM), simultaneously press **MIN** and **SEC** buttons.

Description of the device



1. Multi-function display
2. Button for setting minutes
3. Button for setting seconds
4. Reset of the device
5. Manual mode button
6. Activation indicator (red)
7. Control socket for actuating device (socket of E or F type)
8. Power indicator (green)

9. Button for setting programs
10. Button for setting time
11. Button for setting day of the week
12. Button for setting hours

Programming

The time switch may be programmed with maximum **8 programs**. Each setting is made individually. To enter the programming mode, proceed as follows:

1. Press **PROG** button.
2. The display will show the program number icon „1” and „ON” symbol. It means that the time of switching on program „1” is being set.



3. Use **WEEK** button to set a day (or days) of the week in which this program is to be activated. You may select each day individually, the whole week, working days, weekend or every second day. Use buttons: **HOURL** (hours), **MIN** (minutes), **SEC** (seconds) to set precise time of program, activation.
4. Press **PROG**. The display will show „OFF” next to the number of the program. It means that that

the time of program switching off is to be set. Use buttons: **WEEK** (weekend), **HOURL** (hours), **MIN** (minutes), **SEC** (seconds) to set the time.




5. When switching off time is set, press **PROG**, button, to continue programming of the next program. For the next program repeat the procedure described in paragraphs **2-4 above**.

In order to exit the programming mode, press **CLOCK** button or wait 10 seconds.

Inactivating a program


In order to delete a previously set program:

1. Keep pressing **PROG** button until the display shows the number of program to be deleted, with „**ON**” symbol next to it.
2. Press  button. The display will show horizontal lines indicating deleted program.

Automatic operation mode

The automatic operation mode of the time switch is used for switching ON/OFF its output power supply

(for supplying any chosen device) in accordance with previously defined programs.

Keep pressing  button until the display shows the icon the automatic mode “ON AUTO”, or “AUTO OFF”.

ON AUTO the device will switch on the power supply at the input; the power supply will be switched off in accordance with the nearest programmed “OFF” time.

AUTO OFF the device will switch off the power supply at the input, the power supply will be switched on in accordance with the nearest programmed “ON” time.

Random operation mode





If this function is enabled, Auraton Carina will randomly turn on and off the controlled device, e.g. bedside lamp, to simulate presence of person(s) in the house.

To do this, simultaneously press **WEEK** and **HOURL** buttons. The display will show the random operation icon .


To switch off the random mode, again press simultaneously **WEEK** and **HOURL** buttons.

Manual operation mode

In order to permanently switch on the power supply at the device output, keep pressing , button, until the display shows “**ON**” symbol. In order to switch off the manual operation mode, keep pressing , button, until the display shows “**OFF**” symbol.

Daylight Saving Time



In order to activate DST function, which eliminates the need to adjust the clock, press simultaneously **HOUR** and **MIN** buttons. The display will show DST icon  and the clock will automatically add one hour to the displayed time. In order to switch off DST function, again press simultaneously **HOUR** and **MIN** buttons.

Resetting the device

In order to reset the device press **“R”** button.

NOTE:

RESET of the device results in deleting all programs and returning it to factory (default) settings.

NOTE:

When after a long inactivation period the display does not show the clock, connect the device to power supply network for a few hours in order to charge the internal batteries.

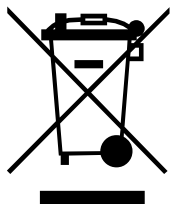
Technical specifications

Power supply:	230 V AC
Operational temperature:	0 – 50°C
Load:	16 A resistive, 6 A inductive
Memory back-up time:	approx. 1 week
Level of security:	IP20

Suggested installation location: Electric socket

Socket type:	E or F
Plug type:	E/F
Dimensions [mm]:	125 x 70 x 70

Disposal of the device



The devices are marked with the crossed-out wheeled bin. According to European Directive 2012/19/EU and the Waste Electrical and Electronic Equipment Act, this kind of marking indicates that the equipment, after its operational life must not be disposed of together with other waste from households. The user shall return it to a collection point for electrical and electronic waste.

Contact and address of the manufacturer:

LARS, ul. Świerkowa 14
64-320 Niepruszewo
www.auraton.pl

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